



U S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

ODI RESUME

Investigation: PE09-054
Date Opened: 11/30/2009
Principal Investigator: Christopher Lash
Subject: Engine Stalling – ECM Failure

Manufacturer: Toyota Motor Corporation
Products: MY 2006 Toyota Corolla and Matrix with 1ZZ-FE Engine
Population: 397,000 (estimated)

Problem Description: The Engine Control Module (ECM) malfunction resulting in engine stall while driving.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	26		
Crashes/Fires:	0		
Injury Incidents:	0		
# Injuries:	0		
Fatality Incidents:	0		
# Fatalities:	0		
Other*:	0		

*Description of Other:

Action: A Preliminary Evaluation has been opened.

Engineer: Christopher Lash

Date: 11/30/2009

Div. Chief: Jeffrey L. Quandt

Date: 11/30/2009

Office Dir.: Kathleen C. DeMeter

Date: 11/30/2009

Summary: ODI has received 26 complaints alleging incidents of engine stall while driving due to ECM failure in model year (MY) 2006 Toyota Corolla and Matrix vehicles equipped with the 1ZZ-FE engine. The complaints allege stalls occurring randomly while driving, including some on highways and some in intersections. Many allege difficulties restarting the engine or problems with recurring stalls following restart.

On September 20, 2007, Toyota issued Technical Service Bulletin TC015-07, "Harsh Shift and M.I.L. 'ON' DTC P2716," providing instructions for diagnosing and repairing complaints of Harsh Shift with malfunction indicator lamp illumination and diagnostic trouble code P2716 stored. The bulletin calls for replacement of the ECM with an improved version (Part Nos. 89661-02K11, 02K21, 02K31 & 02K41). Toyota's bulletin is cited in several reports. Some owners also allege that they had to wait for a replacement ECM because the part was on national backorder. ODI has received 5 complaints of stall while driving in MY 2005 Corolla and Matrix vehicles and 7 complaints for the MY 2007 vehicles.

A Preliminary Evaluation has been opened to assess the frequency, scope and safety consequences of the alleged defect in the subject vehicles.

